

INTERNATIONAL SEARCH REPORT

Int	onal Application No
P'	GB2004/002916

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B23Q11/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B23Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT
--

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 2 084 057 A (HAMMOND DAVID CHARLES) 7 April 1982 (1982-04-07)	9-11,18
A	the whole document	1-8, 12-17
X	-----	9-11,18
A	WO 03/002320 A (MITSUBISHI MATERIALS CORP ; NIPPON DIAMOND CO LTD (JP); NAGAI ISAMU (J) 9 January 2003 (2003-01-09)	1-8, 12-17
A	the whole document	1-8, 12-17
X	-----	9-11,18
A	US 2001/050186 A1 (HINSHAW GREGORY E ET AL) 13 December 2001 (2001-12-13)	1-18
	the whole document	-----

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

8 September 2004

Date of mailing of the international search report

15/09/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Müller, A

INTERNATIONAL SEARCH REPORT

International Application No P	GB2004/002916
-----------------------------------	---------------

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
GB 2084057	A 07-04-1982	DE FR JP	3138022 A1 2490519 A1 57089512 A	06-05-1982 26-03-1982 03-06-1982
WO 03002320	A 09-01-2003	EP WO	1407865 A1 03002320 A1	14-04-2004 09-01-2003
US 2001050186	A1 13-12-2001	US US AU AU AU ZA ZA	2001013426 A1 6216800 B1 7217901 A 763808 B2 6062099 A 9906268 A 200107741 A	16-08-2001 17-04-2001 18-04-2002 31-07-2003 01-06-2000 10-04-2000 19-03-2002